

US-PAT-NO: 4078114

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TITLE: Wire coated with diallyl esters of dicarboxylic acids

DATE-ISSUED: March 7, 1978

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aronoff; Elihu J.	Framingham	MA	N/A	N/A
Dhami; Kewal Singh	Shrewsbury	MA	N/A	N/A

US-CL-CURRENT: 428/379, 428/421 , 428/422

## ABSTRACT:

Diallyl esters of dicarboxylic acids are provided corresponding to the formula: ##STR1## wherein R is an organic radical containing from 4 to 20 carbon atoms and is selected from the group consisting of alkyl radicals, cycloalkyl radicals, mixed alkyl-cycloalkyl radicals and aralkyl radicals; R' and R" are independently selected from hydrogen, alkyl, cycloalkyl, aralkyl and aryl radicals and mixtures thereof; and the total carbon atoms in R, R' and R" is from 10 to 34. These diallyl esters are crosslinking coreactants for polymeric compositions and especially high temperature processing fluorocarbon polymers. The crosslinked compositions are particularly useful for insulation coatings.

2 Claims, 0 Drawing figures

Exemplary Claim Number: 1

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## Detailed Description Text - DETX (10):

The dimethyl ester of diphenic acid was catalytically reduced, the ester hydrolyzed and the isolated bis (bicyclohexane carboxylic acid) was heated to obtain the stable isomer melting at 353.degree.-355.degree. C according to the method described in U.S. Pat. No. 3,325,538.